



# **31<sup>st</sup> Weapons of Mass Destruction**

## **Civil Support Team**

### **Delaware National Guard**



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# Agenda

- Mission
- What is a Civil Support Team
- Deployment
- Equipment
- Training

# 31<sup>st</sup> CST- Mission

**Original Focus circa 1998–** Response to Weapons of Mass Destruction (WMD) attack

**Modern Focus circa 2005–** All Hazards Response, disasters (natural or man-made) that overwhelm local resources

**Certified as mission capable by  
the Secretary of Defense**

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# CST Deployment/Utilization

## Can be deployed for:

- State/ Federal/ Regional exercises
- In-State emergencies
  - Hazmat, (CBRN/ WMD)
  - Weather Emergencies (Snow, Flood)
  - Assist C3 (Command, Control, Communications)
- Federal emergencies
- Pre-Deployment for large/ hi-profile venues

# 31<sup>st</sup> CST Mission Defined

## ■ **Assess**

- ❑ Identify suspected Chemical, Biological, Radiological, Nuclear, Explosive (CBRNe) agents and their potential consequences.
- ❑ Natural Disaster- ID Contamination area, Communications and Medical advice and assistance

## ■ **Advise**

- ❑ Suggest response measures to the civilian Incident Commander based on the assessment.
- ❑ State NG resources, CERFP, HRF, CCMIRF, Federal assistance

## ■ **Assist** Facilitate requests for assistance from state and federal assets. Provide reach back capabilities.

# 31<sup>st</sup> CST

- **22 Active National Guard**
  - Joint AGR unit
  - 18 Army National Guard, 4 Air National Guard
  - 100% Hazmat Technicians
  - Forward deployed – All states and territories
- **100% Staffed**
- **100% MOSQ/ AFSC qualified**
- **100% Equipped (FAD II, COMSUPCEN/ 24 hours/ push-package)**

# 31<sup>st</sup> CST (JOINT UNIT)

## Army and Air National Guard Team

### Command

Unit Commander (O5)  
Deputy Commander (O4)  
1SG (E8)

### Operations

Operations Officer (O3)  
Operations NCO-Modeling (E7)  
Operations NCO-Training (E6)

### Administration & Logistics DECON

Logistics NCO (E7)  
Administrative NCO (E6)

### Communications

Commo Team Chief (E7)  
Information Sys Operator (E7)

### Medical and Analytical

PA (O4)  
Med Ops Officer(O3)  
Scientist (O3)  
Medical NCO (E7)

### Survey

Survey Team Leader (O3)  
NBC Reconnaissance NCO (E7)  
2 NBC Reconnaissance Team Chiefs (E6)  
4 NBC Reconnaissance Team Members E5

**22 Personnel**  
**7 Officers/15 Enlisted**  
**6 Functional Areas**

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# CAPABILITIES

- Advance element deploys within 90 minutes of alert
- Main Body departs within 3 hours
- Self-sustaining x 72 hours
- Detection Capabilities:
  - Military chemical agents (Nerve, Blood, Choking, Blister, Irritants)
  - Biological Agents
  - Radiological contamination & isotope identification
  - Toxic Industrial Chemicals
- Operate in unknown contaminated environment



# Command/Operations Support



- *Liaison and support the IC in decision making and execution*
- *Execute reach-back to SME's (FBI, CDC, NGB, Universities)*
- *Conduct hazard plume modeling*
- *Reporting of CST operations*






# BASED ON WORST CASE ESTIMATE



**Anthrax Infection**  
**26-Nov-06 14:00:00Z (4.000 hr)**

## Probability of Infection

	% (P)	In contour population
 90%	90.0	2
 50%	50.0	1,218
 10%	10.0	35,734

## FACTS

Dover Downs Speedway, DE

Location: 39.18828N / 75.52826W

Strike Time: 1000L 26 Nov 2006

Type: Anthrax

Amount: 1 Pound

Way Dispersed: Small Canister

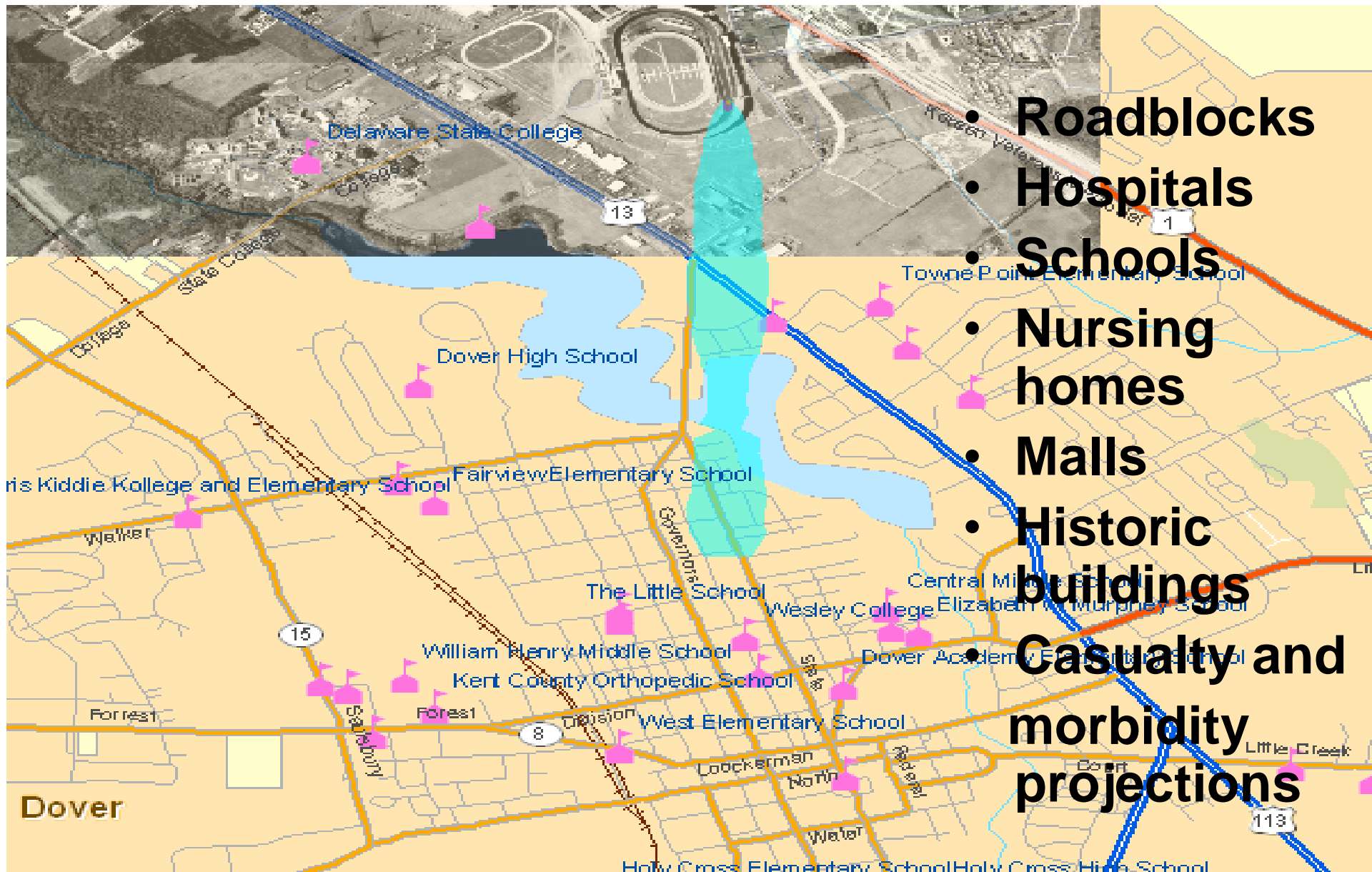
Weather: Winds 7 mph from the North

Model: HPAC/ArcGIS 9.1 (2005)

Generated at 1000, Accurate until 1400 L

Population Data based on empty speedway

# 31<sup>st</sup> – CST-Modeling Reports



- Roadblocks
- Hospitals
- Schools
- Nursing homes
- Malls
- Historic buildings
- Casualty and morbidity projections

# Unified Communications Suite (UCS)

- **UCS – Co-located with the Team Self contained Secure Vehicle-TS clearance required for operators**
  - **Part of TROJAN (Navy)**
    - Network (KU Band Satellite Uplink for connectivity**
    - Ft Belvoir control site for SATCOM)**
  - **Computer network, NIPRNET and SIPRNET**
  - **VTC**
  - **Provides closed computer network for 31<sup>st</sup> at scene (Wired and or Wireless**
  - **UHF, VHF, HF, 800 MHZ**
    - **800 MHz radio system with State of DE preprogrammed**
    - **Down range repeater system**
  - **ACU-1000 (radio cross-banding)**
  - **Satellite TV (Relayed to unit on site)**
  - **Fax/Scan/E-mail/internet access**
  - **Satellite Phones, non-secure and secure**
    - **BGAN (voice and data)**
    - **IRIDIUM (secure capable)**
    - **STE Phone (Secure capable)**
- **Self powered capable of reach-back**
- **Approximately 53 hours of continuous operation with full tank of fuel**
- **Internal power and environmental control**





# ADVON

- Ford F-450 chassis
- Powered from engine
- On-the-move SATCOM antenna
- Commercial and NIPR internet capabilities
  - Wireless and Wired
- Iridium SAT phone
  - Secure and non-Secure
- UHF, VHF and 800mhz radio capabilities
- ACU-1000T
- VoIP phone capable



# Analytical Laboratory System (ALS)

- **Provides On-scene Sample Analysis**
  - ❑ Benchtop GCMS allowing for Qualitative identification of chemical compounds
  - ❑ Presumptive Identification of Biowarfare agents via DNA and Antibody identification technologies
  - ❑ Able to quickly deescalate “white powder” samples
  - ❑ Utilizing FTIR and Polarized Light Microscopy for particle analysis
  - ❑ Can be operated as a stand alone asset or fully integrated into the team footprint network
  - ❑ Able to forward generated data to “brick & mortar” labs for further analysis along with any samples



# How are we requested?

## **Federal or State response**

- Requested up to DEMA
- Governor signature authority delegated to Director of DEMA
- CST answers to the Civilian Incident Commander
- Reporting requirements through JOC-DE who forwards to NGCC

## **State (Internal to the DNG)**

- Request from MACOM's to JOC
- To the J3/DOMS
- Receive approval signature at appropriate level
- Governor signature authority delegated to TAG
- Report through JOC-DE to J-staff and NGCC

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# Limitations

- Operational footprint – 8 vehicles plus trailers.  
Approximately ½ football field (Scalable)
- Access to water source-hydrant or FD apparatus  
for DECON purposes
- Explosive Ordnance Disposal (EOD)



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# Training

- Team/Unit
  - ❑ One unit exercise per month
  - ❑ Multi-CST exercise per year
  - ❑ Regional exercise per year
  - ❑ Federal agency exercise
  - ❑ Deployments do not factor in
  
- Individual
  - ❑ Each position varies (Average of about 800 hours for basic compliance)
  - ❑ Optional/ CDR assigned training
  - ❑ Additional duties

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# Real World Deployments

- NASCAR Races DE, PA, VA
- Army Navy game (PHL)
- DE Legislative Hall (Bio-Threat)
- Return Day (Bi-Annual)
- DE National Guard Ceremonies
- Boston Marathon
- Inauguration, NCR
- Sturgis, SD
- Balloon Fiesta, NM
- Papal Visit, DC & PHL

# QUESTIONS?

